

"Helping You Get Around Our Beautiful County!"

Annual Report 2012

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Dear Citizens of Warren County,

This office was extremely busy in 2012 planning and implementing the many projects in our county to keep you moving in a safe and efficient manner. With honor and great gratitude, I present the 2012 Annual Report for the Warren County Engineer. This report reflects the dedication and hard work of 49 professionals and support personnel.

We are committed to working with our Board of County Commissioners, County Prosecutor's Office and other County offices, all of our Township Trustees and Fiscal Officers, municipalities, and ODOT to help you get around our beautiful county!



Neil F. Tunison
Warren County Engineer

Sincerely,

Neil F. Tunison, P.E., P.S.
Warren County Engineer

Ohio Revised Code 5543.02 Annual Report

The county engineer shall report to the board of county commissioners, on or before the first day of June in each year, the condition of the county roads, bridges, and culverts, and estimate the probable amount of funds required to maintain and repair or to construct any new roads, bridges, or culverts required within the county.

The engineer, on or before the first day of June in each year, shall make an annual estimate for the board of township trustees of each township, setting forth the amount required by the township for the construction, reconstruction, resurfacing, or improvement of the public roads within their jurisdiction. Such estimates shall relate to the year beginning on the first day of March next ensuing, and shall be for the information of the board of county commissioners and board of township trustees, in the making of their annual levies.

The engineer shall approve all estimates which are paid from county funds for the construction, improvement, maintenance, and repair of roads and bridges by the county. The engineer shall approve all estimates which are paid from township funds for the construction, reconstruction, resurfacing, or improving of roads under sections 5571.01, 5571.06, 5571.07, 5571.15, and 5573.01 to 5573.09 of the Revised Code. The engineer shall also approve all estimates which are paid from the funds of a road district for the construction, reconstruction, resurfacing, or improvement of the roads thereof under section 5573.21 of the Revised Code.

For the construction or repair of a bridge, the entire cost of which construction or repair exceeds fifty thousand dollars, the county engineer may request the director of transportation to review and comment on the plans for conformance with state and federal requirements. If so requested, the director shall review and comment on the plans.

Financial Highlights for 2012

EXPENDITURES

Payroll	\$ 2,295,299.10
Equipment & Facilities (including Maintenance)	936,489.05
Other	29,278.90
Benefits	858,183.34
Road Resurfacing & Maintenance	94,397.38
Capital Improvements	3,846,147.05
Insurance	8,887.64
	\$ 8,068,682.46

REVENUE

Investments	\$ 0.00
Reimbursement	1,362,161.10
Sales	308,068.80
GIS	102.78
Gas Tax	2,290,681.48
Vehicle License	5,513,014.07
	\$ 9,474,028.23

2012 Year in Review

The Warren County Engineer's Office concluded the year 2012 with numerous completed projects and the funding and development of more great improvements for the new year. The WCEO staff consider it an honor and pleasure to serve the great community of Warren County by providing a safe, well-maintained county road infrastructure.

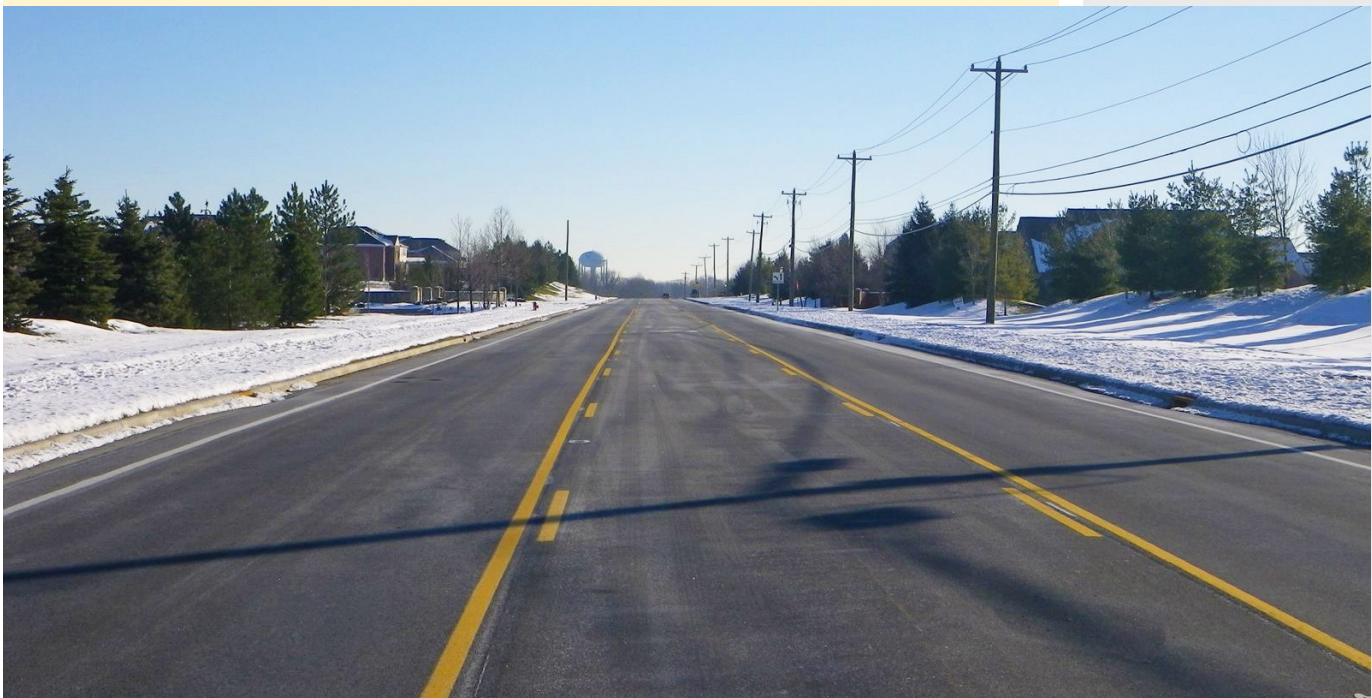
The Warren County Engineer's Office serves from the Corwin House on 210 W Main Street, Lebanon, Ohio in the capacity of administration and engineering. WCEO's facility on 105 Markey Road, Lebanon, Ohio serves in issuing permits, inspections, and providing highway maintenance. There are also two additional locations for salt storage: one in Wayne Township and one in Harlan Township.



Please read on further for the 2012 review of accomplishments by our team of engineers and support staff who serve Warren County through a variety of engineering, construction, and land record keeping services.

Bethany Road Widening (Butler-Warren Rd to Mason Corp Limit)

The Warren County Engineer's Office is proud that after a year and a half of construction and a utility relocation delay at the start of the project, we still completed the main portion of the project on time. John R. Jurgensen Company has completed 95% of the project with only thermoplastic pavement marking and final "touch ups" of seed and straw remain. This project starts at Butler-Warren Road and continues to the Mason Corporation line. Consisting of over 4000 feet of water main for WC Water and GCWW, more than 5500 feet of sanitary sewer for WC Sewer and City of Mason, a five lane bridge with sidewalk and bike path, one mile of sidewalk and 1.5 miles of bike path, Bethany Road will become 3 lanes with a constant turn lane in the middle. This project was paid for by the Warren County Engineer, ODOT, Warren County Commissioners, Warren County Water and Sewer, City of Mason, Greater Cincinnati Water Works and OPWC for a total of \$7,143,144.53.





Butler-Warren Road Widening (Tylersville Road to Bethany Road)

In partnership with the Butler County Engineer's Office, 2.2 miles of Butler-Warren Road was widened from two to five lanes between Tylersville Road and Bethany Road. This created two northbound and southbound lanes plus a center turn lane.

Curb and gutter were added, a shared use path along the west side of the road from Tylersville to Sweet Briar Drive was added, as well as a sidewalk on the east side from Mason Road to Hampton Cove Court. The improved roadway has allowed for smoother, more efficient traffic flow. It also facilitates safer pedestrian and bike travel, especially with the adjacent VOA MetroPark and large number of nearby subdivisions.

The construction contract was awarded to the John R. Jurgenson Company of Cincinnati. The funding of the project, provided through

Federal LPA and State OPWC grant money along with local matching funds from Butler and Warren Counties, totaled just under \$10 million.

Factory Road Bridge #125-0.72

The City of Springboro and Warren County replaced the Factory Road Bridge #125-0.72 during the spring of 2012 as part of a street improvement constructed by the City of Springboro. The bridge is located on Factory Road over Twin Creek between Beck Drive and Market Street in the City of Springboro. The narrow existing pre-stressed concrete box beam was replaced with a wider pre-stressed composite adjacent concrete box beam bridge.

Barrett Paving Materials Inc.

completed the bridge replacement project for \$355,275.55. The project was funded by the City of Springboro and the Warren County Engineer.



Improvements to Various Township Roads

The Warren County Engineer's Office has completed the work in Spring Haven, Hopewell Meadows, Spartan Meadows and Bello Vista. This project consisted of reconstruction of sections of drainage structures, shoulder preparation, clearing and grubbing, portions of base pavement and surface pavement. The project was completed by Roberts Paving, Inc. for a total of \$293,790.32 and was paid by the Warren County Engineer, Warren County Commissioners and OPWC. Washington Township Trustees helped with the shoulder preparation and drainage of Hopewell Meadows. These subdivisions have now been accepted by their townships for maintenance.

Lebanon Road Bridge #16A-1.33

Warren County replaced the Lebanon Road Bridge #16A-1.33 during the summer of 2012. The bridge is located on Lebanon Road over a branch of Dry Run between Harding Road and Corwin Nixon Blvd. in the Village of South Lebanon. The existing concrete bridge was replaced with a cast in place four sided concrete box bridge. The construction also included sanitary and water main relocation for the Village of South Lebanon. W.E. Smith Construction completed the bridge replacement project for \$153,442.80. The project was funded by the Warren County Engineer and the Village of South Lebanon.



Mason-Montgomery Road Improvements



The Warren County Engineer's Office worked with Barrett Paving Inc. for the completion of a waterline relocation in 2011 and the completion of the North Bound Add Lane in 2012. The project began at the intersection of I-71 Northbound exit ramp at Mason Road / Governor's Way in Hamilton County and continues north for approximately 4400 feet and ends at Parkway Drive. The project consists of over 4000 feet of water main and a new, through and right turn, north bound add lane. This project was paid for by the Warren County Engineer, Warren County Commissioners, OPWC and the Hamilton County Engineer for a total of \$1,638,652.63.

Miller Road Bridge #101-0.03

Warren County replaced the Miller Road Bridge #101-0.03 during the summer of 2012. The bridge is located on Miller Road over Mooneys Run just east of Hart Road in Turtlecreek Township. It was a force account project that consisted of removing the existing concrete bridge and replacing it with a precast concrete box culvert. The project cost \$70,171.58 using funds from the Warren County Engineer.



Nunner Road Roundabout



Hamilton Township completed the Nunner Road Roundabout Roadway Improvements Project during the fall of 2012. The project consisted of constructing a roundabout on Nunner Road in front of Marr Park and widening the roadway for approximately 3,500 feet. John R. Jurgensen Company completed the project for approximately \$605,000. The project was designed by Kleinger Associates. The Warren County Engineer provided funding for the design of the project and construction was funded by Hamilton Township through an OPWC loan.

Oregonia Road Bridge #12-1.34

Rehabilitation of the Oregonia Road Bridge #12-1.34 over a branch of Turtle Creek in Turtlecreek Township was completed during the summer of 2012. The bridge is located on Oregonia Road between Wilmington Road and Liberty-Keuter Road. The existing steel beams and 24 foot concrete deck was replaced with new steel beams and a 28 foot galvanized metal deck utilizing the existing concrete abutments. W.E. Smith Construction completed the bridge rehabilitation project for \$138,801.47. The project was funded by the Warren County Engineer.



Stubbs Mill Road Culvert #35-2.90

Warren County replaced the Stubbs Mill Road Culvert #35-2.90 during the spring of 2012. The culvert is located on Stubbs Mill Road over a branch of Dry Run between Wood Road and Shawhan Road in Union Township. It was a force account project that consisted of removing the existing concrete culvert and replacing it with a precast concrete box culvert. The project cost \$71,345.16 using funds from the Warren County Engineer.



2012 Resurfacing

Cost - \$2,293,737.09
 Contractor - John R. Jurgensen

Warren County Roads

	mileage
Lower Springboro Road (CR 22)	1.436
Lower Springboro Road (CR 22)	0.530
Socialville-Fosters Road (CR 32)	0.494
Stubbs Mill Road (CR 35)	4.727
Township Line Road (CR 134)	3.639
Edwardsville Road (CR 196)	0.556
	11.382

Clearcreek Township Roads

	mileage
Red Lion-Five Points (TR 126)	0.580
Stokes Reserve Court (TR 401)	0.131
Oaknoll Drive (TR 514)	0.128
Stone Ridge Drive (TR 1266)	0.124
Clearcreek Township Salt Dome	
Sycamore Trails Drive (TR 509)	0.025
Crown Point Drive (TR 789)	0.043
Stone Ridge Drive (TR 1266)	0.042
	1.073

Franklin Township Roads

	mileage
Dayton-Oxford Road (TR 17)	0.403
Garland Avenue (TR 2009)	0.177
Hawthorne Lane (TR 2010)	0.069
Cam Drive (TR 2075)	0.193
Woodhill Cemetery Roads	0.189
	1.031

Hamilton Township Roads

	mileage
Baxter Road (TR 146)	0.323
Maple Grove (TR 840)	0.091
Willow Pond Blvd (TR 1348)	0.556
Trail Crossing Drive (TR 1505)	0.069
Testerman Park	0.231
	1.270

Harlan Township Roads

	mileage
Long Spurling Road (TR 171)	0.611
Upper Templin Road (TR 197)	0.937
Nicholson Road (TR 206)	0.445
	1.993

Salem Township

	mileage
Shawhan Road (TR 79)	0.240
Trovillo Road (TR 85)	0.372
	0.612

Union Township Roads

	mileage
Shawhan Road (TR 79)	0.784
	0.784

2012 Chip Seal

Cost - \$378,733.80
 Contractor - Miller-Mason Paving Company

Warren County Roads

	mileage		mileage
Corwin Road (CR 47)	0.047	Murray Road (CR 219)	0.640
Olive Branch Road (CR 217)	1.183	Jeffery Road (CR 268)	3.314
Olive Branch Road (CR 217)	1.658		6.842

2012 Chip Seal - continued

Hamilton Township Roads

	mileage
Sibcy Road (TR 142)	0.379
	0.379

Harlan Township Roads

	mileage
Eltzroth Road (TR 173)	0.570
	0.570

Salem Township Roads

	mileage
Thornview Drive (TR 962)	0.259
Bramblebush Drive (Tr 963)	0.372
	0.631

Turtlecreek Township Roads

	mileage
Utica Road (TR 42)	0.780
Liberty Keuter Road (TR 95)	1.312
Hollingsworth Road (TR 283)	1.371
	3.463

Washington Township Roads

	mileage
Woodward Claypool (TR 204)	0.401
Strout Road (TR 207)	3.172
Strout Road (TR 207)	0.588
Senior Road (TR 212)	0.381
	4.542

Wayne Township Roads

	mileage
Pekin Road (TR 53)	1.790
Cook-Jones Road (TR 140)	1.560
Elbon Road (TR 234)	1.630
Corwin Avenue (TR 244)	0.300
Corwin Avenue (TR 244)	0.862
Lytle Trails Road (TR 1034)	0.734
	6.876

WARREN COUNTY HIGHWAY DEPARTMENT

The Highway Department fulfills basic county road and bridge maintenance for 267.35 miles of road, 395 bridges, and 1,390 culverts as well as support to surrounding townships and villages. Included in this are functions such as performing speed studies, installing road signage, detour routing, traffic signals, maintenance mechanics, building and grounds maintenance. One dimension of the department is the Highway Maintenance Facility which has (1) Garage Superintendent and (3) full time Mechanics, (1) Building and Grounds Maintenance personnel, (1) Parts Coordinator, and (1) Highway Clerk. The other dimension of the department is the Highway Maintenance Personnel (Road Crew) which consists of the Deputy of Operations, (3) Foreman, and the (16) road crew employees.

The road crew makes up the majority of the Highway Dept. This group of employees is responsible for the maintenance of the existing county highway system. They are required by law to maintain a CDL operator's license.

Types of duties performed -- Tree Trimming, Brush Cutting, Guardrail Work, Ditch Cleaning, Culvert Installation and Replacement, Setting up Work Zones, Roadside Mowing, Shoulder Repair, Bridge Installation and Repair, New Road Construction, and Emergency Situations.

Our employees may be called upon for emergency situations, storm clean-up, trees down, flooding, and other road hazards. Snow and Ice Control is our most challenging weather event. We have a call out person that is on call after hours and on weekends to handle emergencies. He has Unit 68 that is equipped with chain saw, road closure signs, etc to handle various types of things that may come up.

It is the job of the Highway Department to make travel on our highway system a safe commute, regardless of weather conditions.

Winter Season Summary

The Highway Department's primary function during winter months is keeping Warren County roadways clear of snow and ice. The 2011-2012 winter season was very slow which allowed for a lot of leftover salt for the 2012-2013 season. There were only 5 snow occurrences during the 2011-2012 winter season that required 900 hours of overtime by our road crew and consumed 2384 tons of salt to clear the roads. The entire season cost the county \$185,197.



Permits Summary

The following are tables showing the average number of permits issued since 2002 and the summaries of 2010, 2011, and 2012:

Right-of-Way Permits

	An Average of 2002-2009	2010	2011	2012
Clearcreek	21.4	19	19	18
Deerfield	53.4	57	92	57
Franklin	12.6	21	33	11
Hamilton	35.1	57	59	47
Harlan	26	15	21	9
Massie	5.1	2	4	2
Salem	11.1	4	13	10
Turtlecreek	28.3	17	14	34
Union	6.8	20	13	8
Washington	14.6	3	3	5
Wayne	17.1	9	10	25
Total	231.5	224	281	226

Driveway/Address/Piped Frontage

	An Average of 2002-2009	2010	2011	2012
Clearcreek	140.4	55	50	50
Deerfield	13.5	4	7	6
Franklin	28	13	10	6
Hamilton	39.5	19	19	12
Harlan	37.9	11	14	13
Massie	6.6	1	2	2
Salem	20.8	4	6	9
Turtlecreek	74.8	35	24	29
Union	11.4	3	7	8
Washington	36.6	12	12	13
Wayne	42.6	24	23	33
Total	452	181	174	181

WARREN COUNTY TAX MAP DEPARTMENT

Functions

The function of the tax map department includes making and keeping accurate record of surveys of land and road lines, determining if survey plats and descriptions satisfy the minimum for boundary surveys pursuant to Chapter 4733, making and keeping up indexes of records, approving subdivisions for the office of Recorder, adopting standards of conveyance and ensure compliance, preparing a report for petitions of annexations, assisting the regional planning commission, reviewing condominium declarations, and making, correcting, and keeping up a complete set of tax maps. Also, we label all legal descriptions by parcel number for identification in the Auditor's office and for indexing in the Recorder's office. We assist the public and other government agencies in utilizing the records we keep on file.

Accomplishments

- Completed an archival scan of all 2011 Tax Maps.
- Completed an archival scan of the 1956 and 1962 aerial images.
- Added the archived 1977 and 1986 aerial tax maps to the OnBase System.

Statistics

Major documents processed:	Surveys filed — 105
Deeds — 8,284	Plats filed — 84
Mortgages — 15,077	Sherriff's precipes processed — 1108
Assignments/releases — 20,804	
Total 44,165	

Warren County

STORMWATER DISTRICT

Stormwater Permit (Phase II)

Warren County is currently regulated by a stormwater permit from the Ohio EPA commonly referred to as Phase II. The goal of the program is to protect the quality of our streams, lakes, and groundwater. This year the County's program was evaluated by the Ohio EPA with positive feedback about its implementation.

The Stormwater District, a department of the Engineer's Office, coordinates this permit for other entities including the Townships of Clearcreek, Franklin, Hamilton, Turtlecreek, and Union and the Villages of Maineville and South Lebanon. The requirements of the permit are met by collaborating with other local agencies such as the Warren County Combined Health District and the Warren County Soil and Water Conservation District.

Throughout 2012 public education was carried out through media campaigns, school presentations, and special events such as rain barrel workshops. In addition, stormwater infrastructure mapping continued and pollution prevention initiatives were implemented. Find out how you can do your part to protect water quality by visiting our website: <http://www.wceo.us/pages/Stormwater-District.html>



2013 Administrative Staff

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Please visit the County Engineer's website for updates on projects, road closures, and other helpful information!!

<http://www.WCEO.us/>

ANNUAL REPORT 2012
WARREN COUNTY ENGINEER'S OFFICE

